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The Tech

Kaleidoscope is being held this weekend. Such events are rumored to be beneficial to members of the MIT community. Consider attending the event of your choice. Details, page 7.

VOLUME 94 NUMBER 18

MIT, CAMBRIDGE, MASSACHUSETTS

FRIDAY, APRIL 19, 1974

FIVE CENTS



People from the Cambridge area mill about the Building 10 Lobby last Saturday. They are exploring the wonders of MIT in the Institute's biannual Open House. Visitors were overwhelmed by demonstrations and other shows put on for their benefit — there were tours of the computer facilities and the nearby labs, demonstrations of cockpit simulators, and movies portraying the mysteries of the universe.
Photo by Alexander Peterson

Humanities proposal accepted

By Mike McNamee

A busy agenda, typical of late-spring faculty meetings at MIT, occupied the staff Wednesday afternoon as they considered reports from three committees, were briefed on the Institute budget, and settled — al-

most finally — the matter of the Institute requirement in Humanities and Social Sciences.

Two major items — discussion of the composition of the committee to administer the H & SS requirement, and rejection of a proposal to establish a review

committee for MIT research grants and contracts — took most of the two hours of the meeting, which was attended by approximately 100 professors and staff members.

The first item of business was the presentation of a resolution of the faculty on the death of Professor of Electrical Engineering Samuel J. Mason, who passed away on March 10. The resolution detailed Mason's work at MIT since 1943, and expressed the faculty's deep sense of loss at his death.

Institute Professor of Economics Robert Solow presented nominations for standing faculty committees and faculty officers for 1974-75. The Nominations Committee, which Solow chairs, drew up one slate of candidates for the positions and requested additional nominations from the floor. Faculty members may submit nominations in writing to the secretary of the faculty or to Solow until 5pm on April 24.

Chairman of the Faculty Professor Elias Gyftopolous then introduced a motion to accept the proposal of the School of Humanities and Social Sciences incorporating the new humanities requirement. Gyftopolous explained that the faculty had approved the new requirement at its March meeting, and was now considering the report and
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News Analyses

Issue perspectives: budget and research Assessment

By Mike McNamee

Assessment of the social, environmental, and national security implications of research carried on at the Institute has been an issue at MIT at least since the "Time of Troubles" of the late 1960's; student activism then helped force the "Pound's Panel" review of MIT's relationships with its "special laboratories" — Draper and Lincoln — and created pressure for the divestment of Draper Laboratories last year.

But interest in technology assessment has faded at MIT, as was shown by the vote of the faculty Wednesday rejecting a proposal to set up a committee to analyze the impact of MIT
(Please turn to page 2)

Budget briefing

By Paul Schindler

Chancellor Paul E. Gray '54 played a slightly different variation on an old tune at Wednesday's faculty meeting.

He told about 10% of the faculty (those present at the meeting) that certain income items will be insufficient to cover certain expense items, both in the current fiscal year (which ends July 1, 1974) and next fiscal year.

(Lack of time at a busy faculty meeting prevented Gray from covering the budget in depth. However, he apparently anticipated this and had a copy of his report published in Wednesday's *Tech Talk*.)

The income items are tuition, indirect costs, and certain in-
(Please turn to page 2)

Parking cut forces transpo study Humanities add outlook, students tell Tech survey

By Stephan Mallenbaum

A 25 per cent cut in MIT's parking space, ordered by the Environmental Protection Agency to provide "healthful air quality" in the Boston area, has prompted a major transportation survey study by the MIT Planning Office.

The parking cut is in compliance with new EPA regulations providing for traffic controls in three of the most congested areas, one of which includes parts of Cambridge. The EPA regulations are expected to mandate "extreme changes in transportation habits" in the Boston-Cambridge area.

According to Michael Jacobs

of the Planning Office, MIT is conducting a survey and study to determine which parking lots can be restricted and limited to achieve the parking cut, and what transportation options should be provided to take up the slack caused by the cut. The Planning Office is studying several options, such as carpools, providing MIT-owned vans for transportation and setting up shuttle service to mass-transit stations.

Jacobs told *The Tech* that the Planning Office is uncertain about what plans will be established due to some unanswered policy questions. If, for example, EPA rules that students

are not employees, then student parking can be increased from the 400 spaces now available (out of a total of 3200). Rulings like this will affect decisions on shuttle services around campus and creation of paid visitor parking.

Other EPA regulations expected to take effect in the Boston area by 1977 will affect MIT heavily, Jacobs said. Bans on non-resident parking between 7 and 10am, required emission control devices in certain areas, and "vacancy rules" requiring commercial parking lots to keep 40 per cent of their spaces vacant during morning hours, have been established.

By Dave Danford

The light at the end of the technological tunnel? A rare opportunity for a well-rounded education? The final elixir for MIT nerdiness?

Humanities, and how students feel about the revised MIT requirement, was the subject of a recent *The Tech* survey of twenty freshmen and sophomores. It revealed that 95% of the students surveyed believe that the Institute should require humanities in one form or another.

Said one sophomore, "It's easy to become absorbed in a narrow technical outlook. You can get lost in equations." She added that humanities should offer "perspective" and a "larger outlook on life." Putting it more bluntly, a freshman said, "You don't want to be all computer nerd."

While the general consensus was that a humanities requirement was a good thing, it was not so clear that MIT students would take humanities if they were not required. Only half of the students said that they would take eight semesters, while thirty percent said that they would not. Twenty per cent admitted that they didn't know. One student predicted, "If I were not required to take humanities, I would either leave the time vacant or take another technical subject."

With the requirement, sixty per cent of the freshmen and sophomores said they were taking humanities courses at a rate greater than that necessary to satisfy it. A number of students were quick to add that they adopted this tactic to avoid being burdened with the classes later in their MIT career. A few pointed out that they intend to major in fields such as economics and management and so had taken a large number of humanities classes.

Reaction to specific class content in the humanities was largely negative. A sophomore declared, "For me, freshman humanities served no useful purpose." Another student characterized his experience in sophomore humanities as "a complete waste." A freshman admitted, "I
(Please turn to page 5)

Women in science influential, panel says

By Michael Garry

MIT has been making a vigorous effort to inform female high school students that engineering and science is open to them and that women in these fields are in a very influential position in the world, according to a panel of MIT administrators and faculty members.

The panel, addressing an audi-



Prof. Mildred Dresselhaus at Women's Forum.
Photo by Alexander Peterson

ence composed primarily of high school students participating in the MIT Open House program on the subject, "Women in Science and Technology," emphasized that the stigma previously attached to women who chose to pursue careers in science and technology no longer exists.

Now, according to the panel, schools and parents should be taking special pains to encourage those female students with a bent for engineering and science to seek out further education in these areas.

According to Mildred Dresselhaus, Professor of Electrical Engineering, this encouragement is particularly necessary because opportunities in traditional fields such as nursing and teaching are closing up. Dresselhaus continued, "This is resulting in a large influx of women into science and engineering."

Members of the panel indicated that the designation of sex roles is rapidly becoming obso-

lete. Dean of Student Affairs Carola Eisenberg declared that "the stereotype in which men are breadwinners and women are housewives is breaking down. Ultimately women will have the freedom to choose between staying home and doing professional work." She added that "at MIT women are given no special deals; they are treated as human beings who deserve respect."

Mary Rowe, Assistant to the President and Chancellor for Women and Work suggested that there are practical reasons for women to enter science and engineering: they will be able to find jobs and be paid well. According to figures cited by James Bruce, Associate Dean of the School of Engineering, in 1976 there will be 35-40,000 jobs open to the 28 thousand engineering graduates with Bachelor degrees.

The average starting salary for engineers with a bachelor degree, Bruce said, is \$935 per month, but he added, "women's salaries

tend to be \$30 higher on the average than those of men." There is a high demand for female engineering graduates, Bruce explained, "which gives them an edge in obtaining employment and in salaries."

Rowe also mentioned that successful women in science and engineering tend to "have female models they can identify with." Encouragement and support from males working in the same area of science and engineering is also very valuable, she said.

Because of the limited number of female faculty members in engineering at MIT, Rowe admitted that it may be difficult for students to find a "model." But, she explained, it is difficult to hire any more women faculty members because the total number of women with engineering doctorates is only 500, with only 30 new Ph.D.'s each year. "However," Rowe concluded, "MIT has more women faculty members in engineering than anywhere else in the country."

Fac kills grant-review proposal

(Continued from page 1)
research and examine trends perceived in that analysis.

The faculty's quiet refusal to back experimentation with assessment was not marked by bitter debate or protest, as it probably would have been a few years ago. Supporters of the proposed committee simply said that they would continue to work for establishing research review here.

The proposals

The Ad Hoc Study Group appointed by President Jerome Wiesner last October to study the feasibility of a review committee came to the faculty with unanimous agreement on a plan for an assessment committee. Their plan would establish a committee which, according to the Study Group's report, would have two functions:

1) The committee would study, and report annually to the faculty on trends in MIT research efforts and their impact on "matters such as the physical environment, the economy, national security, and other important social concerns." The committee would depend on the records of grants and contracts to make their analysis, and

would encourage investigators to write impact statements on individual research projects.

2) The committee would assist investigators in preparing impact statements, and would create guidelines that would help toward this goal. An indication of whether or not an impact study had been made would be required from Principal Investigators.

The Study Group report stated that the Group did not believe "that the Faculty of the Institute has a favored insight in discerning good and evil." The committee, therefore, "is not intended to be a body to sit in moral judgment over the 'goodness' or 'badness' of the potential societal results." Study Group Chairman Professor John Deutch also pointed out that the committee would not have power to "delay or cancel" any research at the Institute.

The committee would consist of five faculty members, the Provost, and the Vice President for Sponsored Research. It would be appointed for two years, after which the faculty would assess its work and decide on the question of establishing permanent structures for assessment.

Should we do it?

The committee, although it "agreed strongly that this was the best design available" for a system, in Deutch's words, split on the question of whether or not the faculty should be involved in assessment of research at all.

Professor of Physics Philip Morrison, who sponsored the original proposal to establish the Study Group, expressed the pro-assessment argument when he said, "I think the academic community will come to view itself as part and parcel of a larger society." This view would lead academics to view their work within a social framework, Morrison continued, "which is a start towards assessment."

But Professor of Political Science Eugene Skolnikoff expressed what might have been on many faculty members' minds when he pointed out that "the presence or absence of impact statements could be used against people to make judgments about their research." He stated that he felt the proposal before the faculty "would not move us towards greater understanding of the problems," mainly because of inadequacies in technological impact as a discipline.

News Analysis

MIT budget shows deficit

(Continued from page 1)
come whose use is restricted to academic operations (either by donor or Institute decision). This money is spent on instruction, unsponsored research, and shared support of indirect costs.

Left out of the equation are Housing and Dining and the MIT Press which just about break even. (Most years — the MIT Press has suffered losses which the administration says it is now trying hard to reverse. Dining always loses, but just a little.) Direct research is also excluded on the expense side, because it is covered completely by outside grants (by definition).

More mysteriously, for purposes of calculating the operating deficit (Gray formerly eschewed that term in favor of the more accurate "operating gap" but has apparently succumbed to popular image) unrestricted income is left off the income side. When it is used to balance the operating budget, the situation is viewed as grave.

Why? Gray cites two reasons, one vaguely circular. "This component of revenue is used in operations only to the extent necessary to balance income and expenses." Since that is a reversible management decision by

Institute administrators, its visibility in this role is of their creation.

More important to Gray is the lost opportunity to build Institute endowment or fund innovative programs which results when unrestricted gift income is used just to keep the lights on.

Energy is the main problem, according to Gray, although general inflation has taken its toll. The Institute has cut energy use by one-fourth, Gray told the faculty, but with a budget that priced oil at \$4.80 a barrel (making allowance for inflation) at a time when MIT is paying \$14 just cannot keep pace.

Inflation has also caused salaries to rise more quickly than expected, but as Gray's report states, "everyone in the MIT community has experienced a loss in real income."

His proposed measures are stated in soft tones, but have the potential to be little short of draconian. "Funds for curriculum development have been suspended for a year or two," he stated, without noting that a university that does not innovate is one that is dying. Of course, curriculum development and innovation will go on without funds; it just means that things

will be tighter all over, and a faculty member will have to think long and hard before turning down a lucrative research contract in favor of developing better course materials.

It is not altogether clear where the Institute will put all its women next year, while Gray calls for "modest growth in the number of students we enroll."

There is no mistaking his meaning when the Chancellor notes that operating costs will have to be cut even more than they were last year. "This task will require a careful review of all operating areas [that includes instruction], and the planned reduction or elimination of activities that are not central to the Institute's mission."

Last year, Gray told *The Tech* that "We have already cut the fat. Another round of cuts like these (of last year) and we will start cutting muscle."

The Gap

In years past, the operating gap did not mean that MIT could not pay its bills at the end of the year without dipping into endowment or funds acting as endowment. Next year, for the first time, Gray sees a \$2.9 million dollar "residual gap," which must be avoided at all costs.

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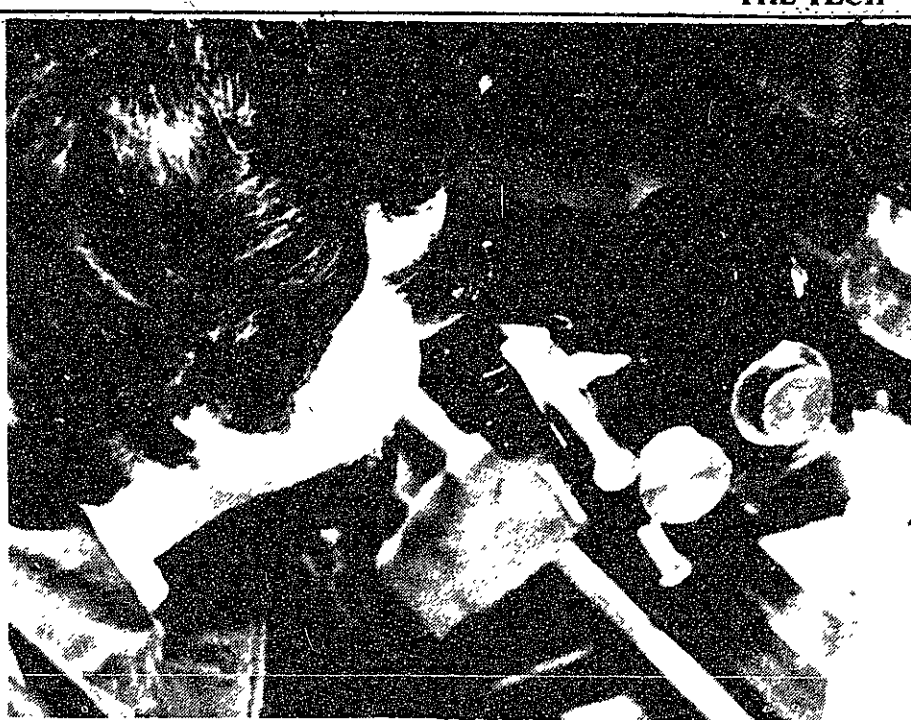
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A live TV link-up that allowed visitors in the Lobby of Building 10 to talk to people in Building 9 and microscope displays on an artificial larynx developed by Electrical Engineering researchers were among the exhibits at Open House '74. Rainy weather failed to keep the visitors away — they came in thousands to look at MIT.

Photos by D. Relman and A. Peterson

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ASA studying space need

By Mike McNamee

Efforts by the Association of Student Activities to allocate office and headquarters space to activities are being met by "profound indifference," according to ASA chairman Mike Kozinetz '75.

Kozinetz told *The Tech* that only six activities wishing to be allocated space had replied to an ASA survey on the subject. ASA had expected "a lot more activities" to respond and request space.

Mailing sent to all Class A and B activities (Class A activities are those which have already been allocated space, while Class B activities are recognized activities, but are not given space)

and an MITV interview with Kozinetz shown two weeks ago in Building 7 have failed to elicit the expected response. Kozinetz said, "I thought at least a few of the 80 class B activities would want space."

Allocating space for activities in the Student Center and Walker Memorial is the most important job of ASA, which does its work through officers elected each year by representatives of the Class A activities. Kozinetz explained that the group has jurisdiction only over the space in the two buildings; a faculty committee known as CRISP allocates space in the academic buildings.

ASA is not certain how much space it has available to allocate to activities this year. "We know of some activities that just are not functioning, and some rooms are not being put to efficient usage," Kozinetz said. "We'd like to survey all the activities and see what their space needs are, and try to make the most efficient use of the space we have."

ASA officers are visiting activities and studying their usage of office space, as well as sending out survey forms, as a first step in the review. Kozinetz said that the group was considering holding "space hearings" later in the process.

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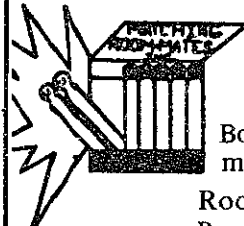
NOTES

* Roger Voisin, former trumpet player with the Boston Symphony Orchestra, will conduct the Boston University Wind Ensemble in a program of works by Mendelssohn, Stravinsky, Jean Absil, Mel Broiles, and Paul Hindemith on Friday, April 26, at 8pm at the School of Fine and Applied Arts Concert Hall, 855 Commonwealth Avenue, Boston. Admission is free and the public is cordially invited.

* Public debate: "What's Wrong With America, What Can Be Done About It;" From the right: Dr. Ernest Van Den Haig, Well known conservative author, regular contributor to the National Review, close associate of William F. Buckley Jr. From the left: George Novack, outstanding marxist scholar, author of many books and essays on socialism, defender of civil liberties for over forty years, leader of the socialist workers party. Monday, April 22, 12:30pm, College II Auditorium, University of Massachusetts Boston For information call Chuck Petrin, Issues and Activists Speakers Bureau, 482-8052.

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In Case of Insomnia— MIT's budget, it should balance

By Storm Kauffman

I will be the first to admit that I am not well acquainted with the convoluted process of maintaining the budget of an institution as large as MIT. However, I would, in my naivete, like to raise some questions about MIT monetary policy.

First of all, why is a university one of the few major organizations (the US Government being the largest) for which an operating deficit is assumed natural? I do not refer to deficit as defined by Chancellor Paul Gray, but rather to the fact that MIT consistently finds it necessary to resort to using the current year's gift funds to balance its books.

Certainly the gifts are an important source of (unrestricted) income — about \$1.3 million this year — but wouldn't it make more sense to save these monies for future projects or additions to the endowment? This objective the MIT administration has tried to achieve, but they must regularly use these gifts to keep the Institute running.

Why can't MIT balance its budget? This year, the Institute, like all of us, has suffered greatly from the horrid rate of inflation, especially in the area of energy costs. A deficit incurred from this source is understandable, but the 1973-1974 budget called for a \$7.1 million dip into unrestricted funds even before the energy crisis, and made it all so much worse. Elementary economics should call for no such need of gift money: income should meet charges. A corporate executive who told his stockholders that they would have to raise \$7 million in donations would be thrown out on his ear.

Using some of my shakiest arithmetic, the Institute's income (assuming no scholarships) should be about \$23 million (3000 grads & 3800 undergrads at \$3350 a head) from tuition alone. If I guess that the average salary of the 950 faculty is \$25,000 then the students just about pay for their professors. Keeping in mind that my figures are probably way off, this calculation is still misleading because most of the faculty I know spend some significant fraction of their time on research or other non-instructive work. One should be able to assume that the sponsored research brings in sufficient additional money to pay off the educational expenses of keeping up the buildings in return for this time spent by the faculty.

Okay, it looks like MIT should break even on its plant and its lectures. But the quality of the educational experience will suffer if there is not a lot of juicy research work around for all students, so all that work should continue. This is supposed to be sponsored research — that means somebody is supposed to be paying for what they are getting. Ergo, all this work is paid for by its sponsors. The books still balance.

What else does the Institute do? It is in the housing and dining business, and here it always loses. I can't wholeheartedly recommend that MIT insure that housing and dining break even as then I probably couldn't afford to live and eat here. Still, they could try.

That leaves all those accessory things that MIT does: housing for the elderly and MIT Press, for example. The Turnkey Project was good public relations, but what the hell is MIT doing in the development business? Its role is education and research.

I haven't answered how the Institute's deficit originates. I don't know, but the administration *should*. And if they don't know, or can't remedy the situation, they had better find someone who can, and soon.

Editorial

Technology assessment is needed

Assessment of, and concern for the results and impact of technical research is long overdue. Lack of technological assessment and concern for the use of products and ideas developed at MIT was a major focal point of student protest here a few years ago, and was a factor in the decision to divest Draper Labs last year.

For some time, it appeared that MIT was on the road to improving assessment of research impact; but the faculty reversed this trend Wednesday when they voted down a proposal to allow review of MIT research by a faculty committee.

The proposal, prepared by the Ad Hoc Committee on Research Activities, provided for a five-member faculty committee to be established for two years to review research at the Institute and to report annually to the faculty on trends that it perceives. The committee would also require all researchers to indicate whether or not they prepared impact statements — studying the effects "on national security, the physical environment, and other aspects of social welfare." — for their research projects. The committee would have no authority to cancel or delay research; it would only survey it.

The proposal is one of the mildest ever made for overview of research. The committee established by this proposal would have authority only to require researchers to check off whether or not they had prepared impact statements; it could

not even require researchers to make an impact study. The committee would be established for just two years, after which it would make recommendations to the administration on possible permanent actions to be taken. But the faculty, by a 55 to 34 vote, killed the proposal Wednesday afternoon.

Some of the concern expressed by faculty members at Wednesday's meeting was for the feasibility of the proposal as a means of overseeing research. Some faculty members stressed that technology assessment is just a fledgling field and needs more concentrated research; others questioned the practicality of the proposal. But most of the 55 faculty who killed the proposal did not express such doubts; it can only be assumed that they voted against assessment and review of MIT research.

The Tech feels that assessment of the impact of research being conducted at MIT, both on an Institute-wide basis and individually by each researcher, is a desirable and necessary goal. Although analysis of all possible effects of pure research might not be practical in all cases, researchers (and especially faculty members) should consider the outcome of their work and its implications for society.

Therefore, we urge all members of the MIT community to support efforts by faculty members to develop workable standards for assessment, and useful procedures for monitoring research. Another "Time of Troubles" should not be necessary for MIT to wake up to its responsibility to society in this area.

The above Editorial on technology assessment expresses the editorial position of *The Tech*, as decided by the Editorial Board. The members of the Editorial Board are:

Barb Moore, Chairperson
Storm Kauffman, Editor-in-Chief
Norman Sandler, Executive Editor
John Hanzel, Managing Editor
Mike McNamee, News Editor

Commentary:

UA election coverage correcting the lies

By J. M. Horn

I am currently a member of the *thursday* staff. The article on the UA elections that appeared in yesterday's issue was originally to list me as co-writer. However, just prior to the paper's departure for the printers, I received new information that forced me to remove my byline and write this letter.

One of the statements being used against Steve Wallman is that he stole the Ellsberg lecture from LSC. Jim Miller, current chairman of LSC, told me Wednesday night that it is the belief of LSC that the lecture was taken from them. The true story is that it was originally to be a joint SCC-LSC venture last term. When it was found that Ellsberg was unavailable, the lecture was cancelled. The SCC, acting under the impression that the deal was no longer valid, re-scheduled Ellsberg this term.

Wallman has been accused of using other person's reports as the basis for his report of the R/O Committee's work (Wallman was R/O Committee Chairman). This is not only the accepted practice, but one expected to be used.

The charge that Wallman has done nothing as SCC Chairman just doesn't stand the test of truth. As the only chairman of the committee in recent years to last out his term of office (he was also re-elected chairman for a second year) Wallman has worked continuously for two and a half years to revitalize the Student Center. Two years ago there was no 24-hour Coffeehouse, no Midnite Movie, and least importantly to outsiders, no SCC office. Steve Wallman has helped to bring about all of these things.

This has been leading to two things. First, I strongly endorse Steve Wallman and Jim Moody for UAP/UAVP. In order to insure a strong and effective UA, I urge you to vote for them. Secondly, in view

of this fact, I wish to publicly announce my irrevocable resignation from the staff of *thursday*.

I wish to thank *The Tech* for providing me this space on such short notice. J.M. Horn has been a writer for *Thursday* this year.

and attribution

By Mike McNamee

Sources close to *thursday* have charged that a front page article which endorsed Bob Zimmerman '76 in that paper yesterday was written by Zimmerman under a false by-line.

The article, which was supposedly written by "Bert Andersen," called UAP candidates Dick Michel '75, Zimmerman, and Steve Wallman '75 "a jock, a pervert, and a turkey," respectively. It alleged that Michel or his fraternity brothers were responsible for the ballot-stuffing that occurred in last week's election, and stated that Wallman "is the typical greasy politician."

Larry Appleman, who was responsible for laying out this week's issue of *thursday* and is Zimmerman's running mate, told *The Tech* that he had learned that Zimmerman had written the article but later stated that others had convinced him that someone else was responsible for the story.

Zimmerman "absolutely" denies having had "any hand at all" in the writing of the article. He says his roommate, Brian Lustbader, wrote the piece because Lustbader was "tired of all the shit going on in the UA election."

Wallman told *The Tech* that all of the statements pertaining to him were blatant mistruths. Michel was not reached for comment.

Continuous News Service

The Tech

Since 1881

Vol. XCIII, No. 18

April 18, 1974

Barb Moore '76: Chairperson
Storm Kauffman '75: Editor-in-Chief
John Hanzel '76: Managing Editor
Norman Sandler '75: Executive Editor
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THE WIZARD OF ID



The Wizard of Id appears daily and Sunday in The Boston Globe

Second Class postage paid at Boston, Massachusetts. *The Tech* is published twice a week during the college year (except during college vacations) and once during the first week of August, by *The Tech*, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617, 253-1541. United States Mail subscription rates: \$5.00 for one year, \$9.00 for two years.

Tech survey shows that new requirement is liked

(Continued from page 1)

do get something out of them, even though they're not the greatest courses in the world."

Naming humanities alternatives in psychology, economics and management, one student said, "If those options weren't open, the whole requirement would be a bust." Others echoed the view that humanities should "prepare you for the outside world" with background in such disciplines as writing and political science. One freshman suggested, "They should require writing courses as something

that would be definitely helpful, but it's silly to require just eight courses of humanities."

Despite the strong feelings about the role of humanities at MIT which permeated the sample, students were rather uninformed about the recent changes in the requirement. Only half claimed to be familiar with the substance of the revision. All of those who felt they could make a judgement said they thought the change made in March was an improvement over the system that had been in effect since 1949.

classified advertising

FIX FAN? Can you make a handsome but tired 60-year-old Westinghouse electric fan work again? You putter, I pay. John Carley x3-4276.

Technical typist: expert work from dictation and drafts, preparing articles in science and engineering. Full time or flexible part-time hours at our CCentral Square office or at home. Call Mr. Silverman, 864-3900.

FOR SALE: Digital 555 Micro Tape \$5.00. Contact Len Tower x3-1541 or 242-3645.

20% - 50% OFF ON ALL STEREO EQUIPMENT. Stereo Components, Compacts, and TVs. All new in factory sealed carton. 100% guaranteed. All major brands available. Call Mike anytime, 891-6871.

Oriental Sale. All kinds of authentic rugs, galims, scarfs, ornaments, etc. from Persia and Damascus. Call 492-8563, 5-8pm daily.

For Sale: Cameras, guitar, bicycle, etc. Nikomat FTN body, Nikon Lenses (135mm, 28mm, 55mm). Zeiss Ikon rangefinder plus tele tanar 135mm lens (\$50 only) Classical Guitar, Guild Mark I \$70. Phillips three speed with baskets. Tire and muffler for VW bus. Call 492-8563, 5-8pm daily.

WANT MONEY? Come in and become one of The Tech's Ad salesmen. Good money (we paid over \$3,000 in commissions last year) and excellent chances for quick advancement. Particularly need a salesman to sell ads for the fall during the summer. Contact Len at x3-1541.

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FOR FAST PICK-UP & DELIVERY
DIAL C-O-P-Y C-O-P
Open Evenings and Saturdays

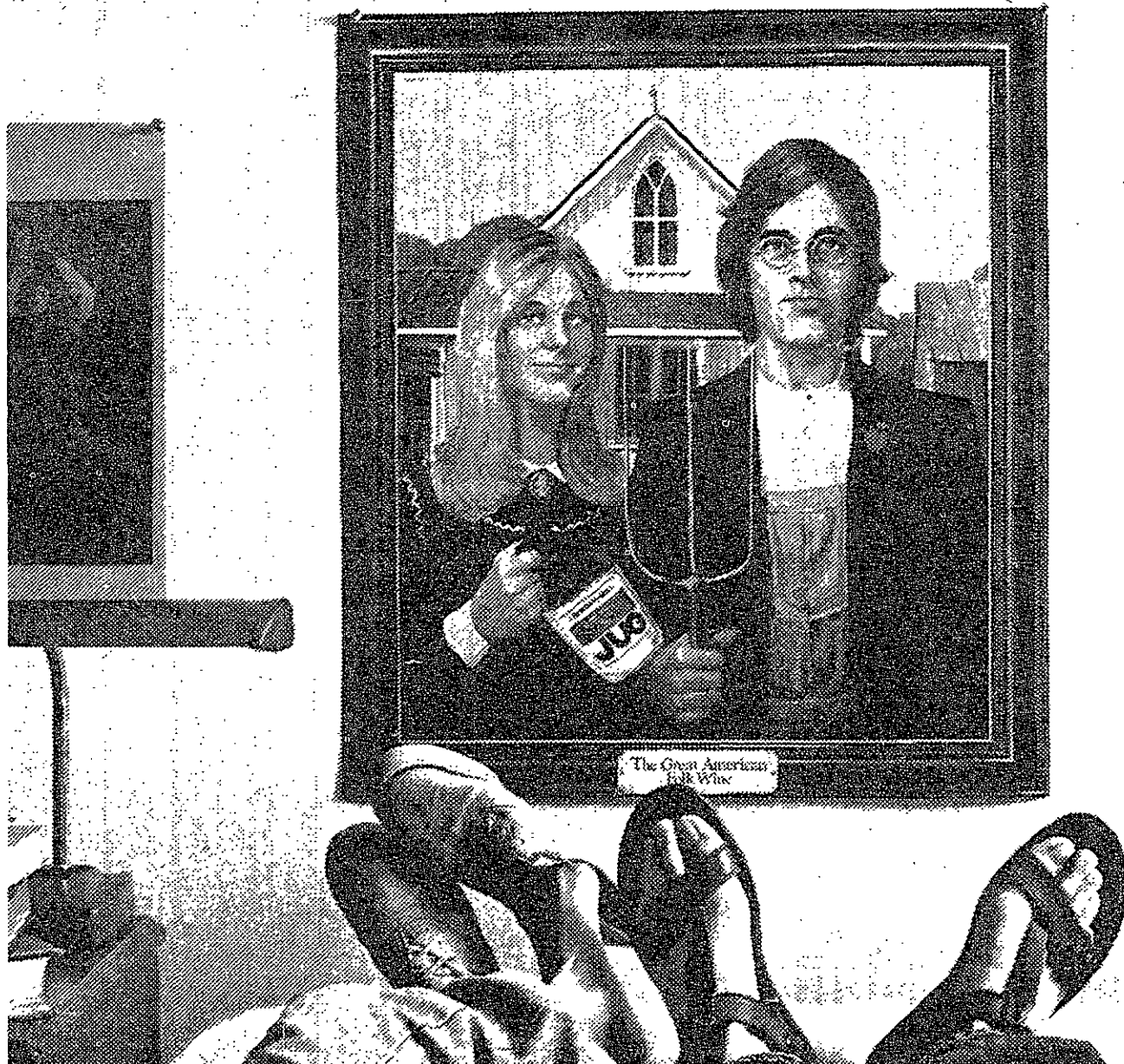
COOP ELECTIONS FOR STUDENT DIRECTORS

To Coop members who are degree candidates of M.I.T.

If you did not receive your ballot in the mail for the election of student directors of the Harvard Cooperative Society, you may, upon presentation of proper identification, obtain one from the Cashier's Office of the Tech Coop. Ballots must be mailed in time to be received by May 3.

**the
Coop**
M.I.T. STUDENT CENTER

THE GREAT AMERICAN FOLK WINE GREAT AMERICAN POSTER OFFER.



Pass the Jug. Pour the Jug. Jug-a-lug.
Jug is the Great American Folk Wine. In Apple or Strawberry Glen. Full of the crisp cold bite of fresh-picked country apples or sweet juicy strawberries.

When you finish a jug of Jug, you can put a candle or daisies in it for a romantic meal. Or blow your favorite tune on it.

Enough sell. You want a Great American Poster? Send us just \$1.00. Our Great American Poster measures 24" x 26". Resplendent in full color. Complete with painted-on frame.

If you're decorating your room in American Gothic, it will fit right in. Get yours fast for a mere \$1.00 (no stamps please) before we run out.

JUG GREAT AMERICAN POSTER
12 E. Grand Ave. Room AA
Chicago, Ill. 60611.

Please send me _____ posters,
for which I have enclosed \$ _____
Send my poster to:

Name _____
please print

Address _____

City _____ State _____ Zip _____

Offer good until February 1st, 1975. Void if restricted or forbidden by law. Available only in U.S.A. Please allow 4 weeks for delivery. Poster Guarantee: If you receive a damaged poster, simply return it to the above address and you will receive a new one.

Police Blotter

Police Blotter is a compilation prepared by Campus Patrol to report crimes occurring in the MIT community.

4/11/74

Report was received by the Campus Patrol of the removal of the State Flag of Massachusetts from the flagpole of the Great Court.

4/11/74

An occupant of Building 20E reported the theft of a black sixbutton phone with intercom system missing from his desk.

4/11/74

An attempted larceny of a motor vehicle was reported this date. The vehicle was parked on Memorial Drive. The owner further reported that a "Krook" lock prevented the larceny of the vehicle.

4/12/74

At 1:30am two members had their nocturnal swim disrupted at the Alumni Swimming Pool and were requested to confine their athletic abilities to a more suitable time period.

classified advertising

MOVING? CALL DAN'S VAN
Experienced, dependable MIT students will help you. Man and Van \$7/hour. Two men and van, \$12/hour. Call Dan, 536-6328.

If you need money
for a venture into arts, communications, etc. summarize your scheme and send it to Straus, 59 Brewster St., Cambridge before May 1. Experience, imagination essential. All letters answered.

Europe-Israel-Africa
Travel discounts year round. Int'l Student Travel Center, 739 Boylston St-Suite 113, Boston, MA. (617) 267-1122.

Need 1 female roommate for luxury ap't near Harvard Law. Rent \$150 month plus elec. Parking avail. Clean, quiet, straight atmosphere. I am female grad student in education. Call eves 244-0604.

LOWEST JET FARES TO EUROPE

of any scheduled airline
from NEW YORK from CHICAGO
'187 '229

One way to Luxembourg through May 31

Effective for individuals on scheduled jets to Luxembourg in the heart of Europe. SAVE \$72 to \$101 on overseas stays of over 45 days against lowest comparable fares of any other scheduled airline.

SHOW INITIATIVE! SAVE MORE MONEY!

Students can arrange their own Affinity Groups of 25 or more passengers and qualify for Icelandic's lowest-cost one-way affinity fares. No other airline offers one-way affinity fares. SAVE via Icelandic no matter when you leave or how long you stay.

SEE YOUR TRAVEL AGENT.
Prices subject to change.

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Send folder ON Lowest Youth Fares to Europe ☐

Name _____

Street _____

City _____

State _____ Zip _____

My travel agent is _____

ICELANDIC AIRLINES

4/13/74

Report was received of the attempted larceny of a motor vehicle from the fifth level of the Albany Garage. Attempt was made by forcing doors.

4/13/74

Several reports of larcenies of wallets from unlocked lockers at the DuPont Gym. Once again the Campus Patrol requests your assistance in the prevention of these thefts. *Please lock your locker when you leave the vicinity.*

4/15/74

A report was received of the loss of a wallet while attending a folk dance at the Student Center.

This wallet contained \$12.00 and personal papers.

4/16/74

An IBM typewriter was taken from Building 6 over the holidays. Investigation showed that an attempt had been made to remove a typewriter in an adjoining room.

The campus Patrol received their first report of a stolen vehicle since the issuance of a bulletin last week. This car was reported stolen from 77 Massachusetts Avenue.

KENS PUB CENTRAL SQUARE
ENTERTAINMENT NIGHTLY
Serving a complete luncheon & dinner menu
684 Massachusetts Ave. — Cambridge, MA 868-5640

INTERACTIVE LECTURES

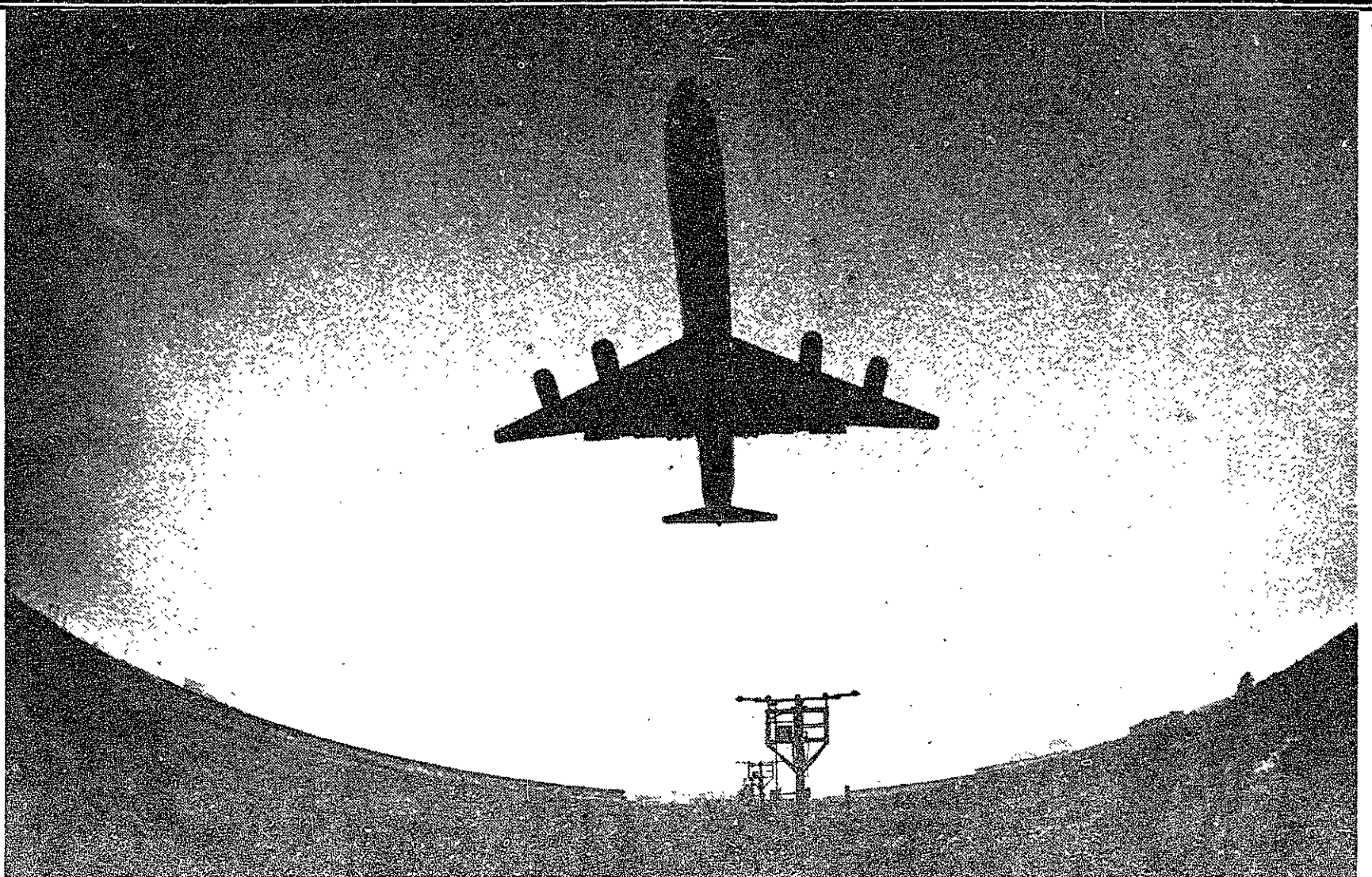
Ten in all, by Morrison, Lettvin, Sagan, Wood, Margulis, and Siever. With numerous answers to interesting questions. May be heard any time at Polaroid, 740 Main St. For further info, please call Karen Houston at 864-6000, ext. 2800.



YOU HAD ALL THE ANSWERS UP YOUR SLEEVE BUT YOU PUT ON THE WRONG SHIRT.



MAYBE WHAT YOU NEED IS A MAXIMUS SUPER
Maximus Super Beer. F. X. Malt Brewing Co., Utica, N.Y.



You're serious about photography. So is the Canon F-1.

To you, photography is more than a hobby. You may never want to become a professional. Yet, your photography is as important a means of self-expression to you as your speech. You demand the same excellence in your photographic equipment as you do of your photographic skills.

The Canon F-1 is the camera that can fulfill any photographic task to which you put it. It can stand up to your ability in any situation.

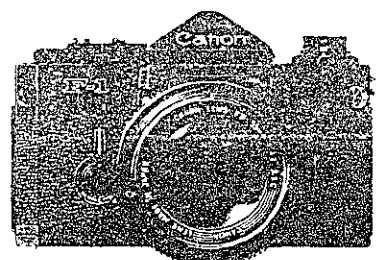
Naturally, a great camera like the F-1 won't ensure great results. That's up to you. Yet—it's nice to know that your camera can grow with you as a photographer.

Part of the reason for this is the F-1 system. Since it was designed in totality, it offers total performance. There is nothing "added on" in the F-1 system. Everything works as it was designed to, and integrates superbly with everything else. You'll spend less time worrying about operating the camera than in shooting. And that's what creative photography is really all about.

Controls fall into place under each finger. It's no accident. Professionals who depend on a camera for their livelihood have a deep regard for the F-1's handling. It's amazing how much a comfortable camera can improve your work.

Sharing these lenses and many of these accessories are the new Electronic Canon EF, with fully automatic exposure control, the FTb, now improved with all exposure information visible in the finder, and the TLb, great for a second camera body or for getting started in Canon photography. Canon. For serious applications. For serious photographers.

Isn't it time you got serious?



Canon F-1

Canon USA, Inc., 10 Nevada Drive, Lake Success, New York, 11040
Canon USA, Inc., 457 Fullerton Avenue, Elmhurst, Illinois 60126
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WLEIDOSCOPE

CONCERT

IS HAPPENING ON APRIL 19 & 20 !!!!!!!

PARTY — BEER BLAST

featuring

AEROSMITH

ROCKWELL CAGE 8:30pm
(bring a blanket)

SAT. APRIL 20, 1974

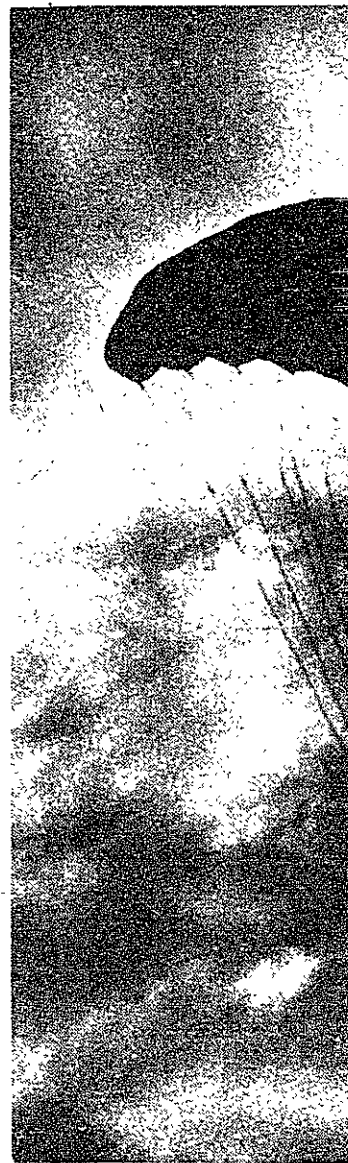
**ALL THE BEER
YOU CAN DRINK!!**

TICKETS \$2.50 —

COLLEGE ID REQUIRED

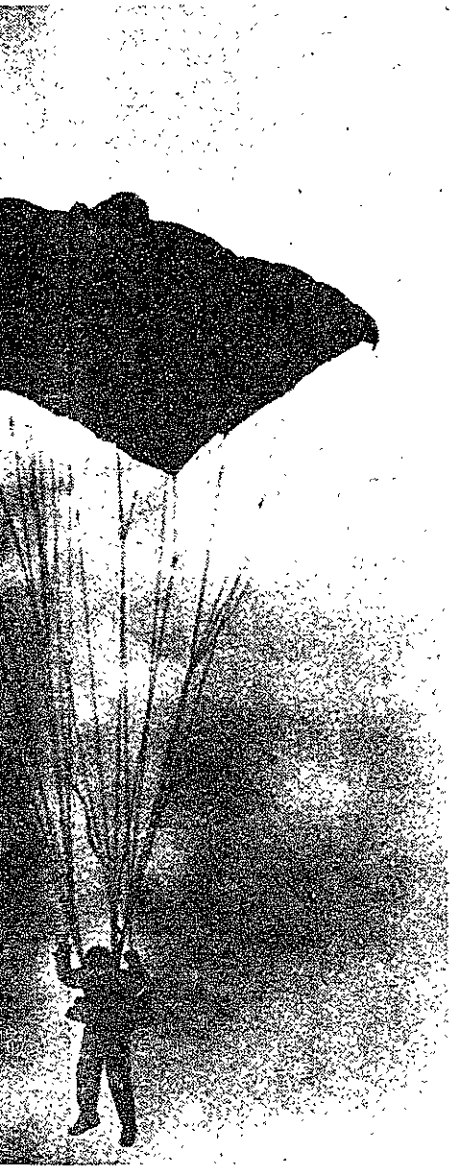
*available at the TCA office, 4th Floor,
Student Center and at the door.*

FRIDAY



APO Big Screw Contest all day! Look for the voting booth in building 10 during the day and after 3pm on the Kresge Oval.
 Folk Dance Club 12:30 — on, on Kresge Plaza
 Student Center Committee Free Concert on the steps of the Student Center steps 2-5pm. Free Beer!!!!
 Outing Club Demonstration 2:30pm
 Varsity Baseball game Wesleyan 3 pm on Briggs Field.
 Society for Creative Anachronism Tournament 3-6pm (south side of Kresge).
 Unicycle Club 3-6pm in front of the Student Center
 Student-Faculty Softball Game 3:45pm Briggs Field A
 Dining Service Commons Roast Beef Dinner 5-7pm North side of Kresge — Tickets available from the Student Center Dining Office, \$2.95.
 Kite-Flying Contest — judged by Joe Green 5:15pm Briggs Field.
 Festival Jazz Band — 5:30-7pm Student Center steps.
 LSC Movie "The Devil in Miss Jones," 7 and 10pm, Kresge Auditorium 50 cents and ID.
 Student Center Committee Midnite Movie — Midnight in the Sala, "How the West Was Won" Free popcorn Free admission.





Balloon Stand — all day in front of the Student Center
 Pie-eating contest 10:30am Student Ctr steps
 Musical Theatre Guild Repertoire— 11-1:30 Student Center Steps
 APO Big Screw Contest Voting 12-3pm Student Center Steps
 WTBS Remote from the Student Center Steps 12 - 4 pm
 TCA Silkscreening T-Shirts 12-5pm Student Center Steps
 DU Car Smash 12-5pm Kresge Lot
 Pinball Tournament — Pinball room in the Student Center —Noon until a victor is chosen
 Beer Chugging Contest (speed not quantity) Preliminaries 12:30pm Student Ctr steps
 Unicycle Club 1-4pm in front of the Student Center
 Tiddlywinks Demonstration 1-5pm East Lounge in the Student Ctr.
 MIT Logarithms 1:15-2:15 Student Center steps
 Frisbee Contest 1:30-2:30 Accuracy Contest on Briggs Field A, 2:30-3:00
 Demonstration by John Kirkland on Kresge Plaza, 3:00-4:00 Distance Throw
 on Briggs Field A, 4:00 Award Presentation
 Balloon Release 2pm Kresge Oval
 Sangam Indian Movie Mother India" Free Admission, 26-100 2pm
 APO's Big Screw presentation 4pm Student Center steps
 Beer Chugging Finals 4pm Student Ctr Steps
 Tektite Skyjump onto Briggs Field A 4:15 pm
 LSC Movie "Cries and Whispers" 6:30 and 1pm 26-100 50 cents and ID
 African Night 7:30 in Walker Memorial Dining Hall \$1.00
AEROSMITH CONCERT
 8:30pm \$2.50

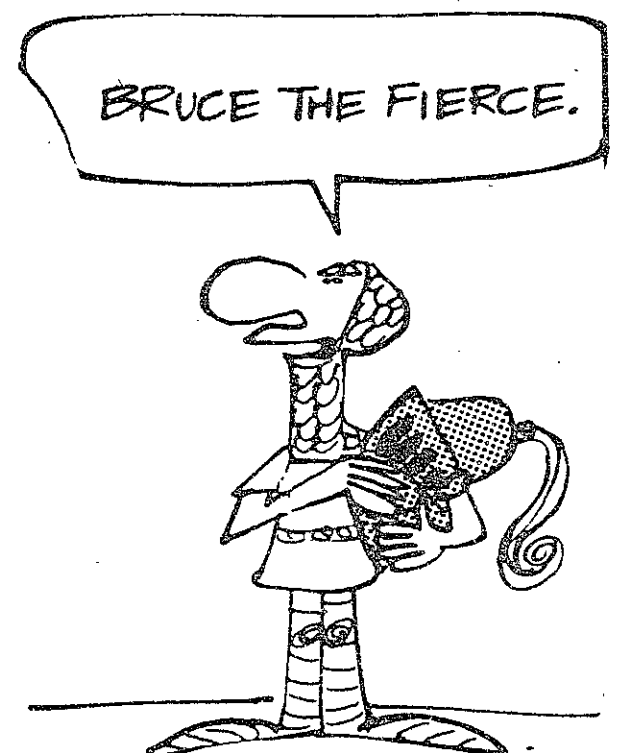
ROCKWELL CAGE

"ALL THE BEER YOU CAN DRINK"

Tickets available at TCA (either in the Student Ctr Fourth floor office or at the Silkscreening Booth) or from your living group representative. Don't forget about the ticket-selling contest!!!!!!
 Call the UA Office, x3-2696, W20-401 for details. Don't miss this one, a party MIT will never forget!



SATURDAY



KALEIDOSCOPE

KALEIDOSCOPE '74, sponsored by the MIT Association of Student Activities, is happening today and tomorrow. The events take place in, on, in front of, and near the Student Center and Kresge Plaza. It's a great way to spend Friday and Saturday afternoon, and the AEROSMITH concert is a great way to spend Saturday night. So come out and enjoy the sunshine and the events that are going on and participate in this weekend — it's the only one of its kind.

Herein lies description of everything that's going on, and the center of events is the Student Center Steps, where the emcee, Al Tuna (alias Dan Bloom) will announce the activity as it is going to happen. Enjoy, enjoy!

Special Events

This year marks a startling new development in Alpha Phi Omega's Big Screw Contest — a screw. Since Professor Wadleigh received his six years ago, numerous attempts to reproduce the 38-inch left-handed solid aluminum wood screw have failed. APO, with the assistance of Robert V. Huston of Course III, has finally succeeded and also come up with five (so far) deserving candidates — Professors Baldwin and Rota, Deans Bishop and Browning, and TA Ed Dunn. Other members of the faculty and staff may become candidates after showing write-in strength.

Balloting, at a penny per vote, will continue today in Building 10, and today and tomorrow at Kaleidoscope. All money collected will be donated to the charity of the winner's choice. All expenses of the contest, such as publicity and the screw itself, will be donated by APO.

Each of the candidates has a large backing: Baldwin and Rota are running 5,42 and 18,313, respectively; Bishop had made recent discipline decisions involving Baker House and Burton House; Browning determined which living groups may (not) go coed next year; Dunn is a tutor at MacGregor House.

The African Students' Association of MIT is presenting this Saturday at 7:30pm in Walker Memorial its annual event called the "African Nite." The event is meant to bring to the MIT community an awareness of some aspects of the Cultural Heritage of Africa. This year's event features some traditional cultural drumming and dancing and an African Art Exhibition. There will be movies on the general life of the African people and in particular a focus on the recent drought which has hit the Sahel Region of Africa. (A team of MIT civil engineers and experts was recently asked by the United Nations to study the problem.) Some African food dishes will also be provided.

Delta Upsilon will supervise the Car Smash on Saturday, where frustration will be taken out on an old car by beating it with sledgehammers. All proceeds will go to a charity, so come out and bang a fender for fun.

The Balloon Lift on Saturday will release hundreds balloons on Saturday, and there will also be a balloon-selling booth during the weekend.

The Varsity baseball team will line up against Wesleyan on Friday, an event that promises to be a good battle.

TCA will again be silk-screening, for free, T-shirts and anything else you happen to bring, although donations will gladly be accepted for the MIT Community Service Fund. T-shirts will be sold there for \$1.10 each, and the "Institute Screw" or the "Tech is Hell" designs are available. Tickets for the AEROSMITH concert will also be on sale, along with tickets for The Proposition, an SCC event on Monday. If you want to learn about silkscreening, people will be there to answer your questions and it will be a demonstration in itself.

Musical Entertainment

MIT's musical and entertainment talents will be out in full force during the weekend. The Folk Dance Club will be dancing on Friday afternoon, and the audience is invited to participate or just watch the spectacle in front of Kresge. The Student Center will give a free concert on Friday afternoon, the featured group will be the Walnut Band. Jim Moody describes it as an 'easy-going rock band', and there's also free beer while you listen. Scenes from the smash hit *A Funny Thing Happened on the Way to the Forum* put on by the Musical Theatre Guild this spring, is another event that shouldn't be missed. It drew thousands into Kresge, and ask anyone who has seen it, they will probably be there on Saturday, too. The MIT Logarithms will harmonize on Saturday, and they feature a lot of barbershop songs, some pop tunes, jokes in between, and an easygoing show for people to enjoy', according to Dick Michel, a member of the group.

The Festival Jazz Band will provide dinner music on Friday, with a program in their own inimitable style.

Demonstrations and Exhibits

If you watch the side of the Student Center at 2:30 on Friday, you will see Outing Club members rappelling down the walls. It will certainly be something to catch, but don't stand too close. The world famous MIT Tiddlywinks Team will show off their skills on Saturday — they are really terrific. WTBS remote broadcast will be live shows and coverage of the events happening at KALEIDOSCOPE '74, so you can see how they put a show together.

The Unicycle Club will demonstrate their techniques on Friday and Saturday, and will also teach people how to unicycle and save gas. They will also be silkscreening Unicycle Club T-shirts both days.

The Tektite Skydiving Club will be jumping onto Briggs Field A on Saturday, so search the skies and look out below.

The Auto Club will offer a small display of different types of race cars, including the team's two Burger King Pintos, formula race cars and exotic street sports cars. Photographs will show the MIT Road Racing Team in action. In addition, members of the Auto Club will be on hand to answer questions about the Club, racing, and cars in general.

The MIT Society for Creative Anachronism will hold a demonstration tournament at the south side of Kresge from 3 to 6pm. Lords will do battle for the honor of their ladies with sword, mace, and battle axe. Other aspects of life in these current Middle Ages will be demonstrated, including dancing and embroidery.

Movies

Sangam — the Club for Indian Affairs, is presenting a movie on Saturday, titled "Mother India." Its awards include: Best Actress, Best Direction, Best Photography, Best Sound, and Best Picture in the Indian Film Fare Awards, and an Academy Award Nomination, and is regarded as one of the best foreign films ever made. The story is based on Indian village life, drawing a lot from the rich traditional folk songs and dances. Admission is free with an MIT or Wellesley ID. At 2pm in 26-100.

In an effort to bring a fine skinflick to campus, LSC is showing a classic one, "The Devil in Miss Jones," on Friday. When asked to comment on the flick, LSC Publicity Director John Sybalsky said, "I think we have a real winner here... I kind of like it myself."

Saturday's film, the Academy Award winner for Best Cinematography, "Cries and Whispers" is described by LSC Chairman Jim Miller as "One of Bergman's best."

Student Center Committee's Midnite Movie Series continues with its fine program with "How the West Was Won." As always, there's free admission and free popcorn.

Food

Dining Service will be having a Roast Beef Picnic on Friday as part of the regular meal plan. Those on Commons should pick up their ticket at the dining hall where they are signed up, and others can buy the \$2.95 tickets at the Student Center Dining Service office. APO will be running a refreshments booth on Friday and Saturday. The far will include soda, potato chips, popcorn, and cotton candy.

Contests

The Pinball Championship is on Saturday in the Student Center pinball room. Mike Dortch, who is running the tournament, commented, "We have some of MIT's top competitors, and we're using the most popular machines for the contest. The top prize is a roll of quarters — the most appropriate thing we could think of." Second prize is a case of Michelob, third is a six-pack. The elimination starts at noon, with top contenders going head-to-head for the championship.

The Frisbee Tournament will be quite a contest: an accuracy test, a distance throw, and a demonstration by John Kirkland (the National Frisbee Ambidextrous Champion), who is running the contest. John said, "Everyone is invited, and if you don't know how to throw, come and you'll learn." The prizes are really something: first prize is a special Frisbee from John Kirkland's famous collection; second is a competition Frisbee; third a six-pack of beer; fourth is three free shots at the DU Car Smash; and fifth is all the leftover pies from the Pie Eating Contest.

The Student-Facult Softball Game is on Friday and will pit the physical skill and daring of students against those of the administration and faculty in a hotly contested, traditional event.

The kite-flying contest, judged by WBZ's Joe Green, will take place on Briggs Field on Friday. Top prize is an LSC Superticket and second prize is a Tetrakite.

The Pie-Eating Contest on Saturday will feature a delicious competition: keep your hands behind your back and race to see who finishes first. First prize is a buffet dinner for two at Joyce Chen's, second prize is a case of Michelob.

The Beer-Chugging contest will consist of a test of speed in downing 32 ounces in the shortest time. There will be preliminaries and finals on Saturday, with these great prizes for the winners — first prize is two cases of Michelob, second prize is one case of Mich, and third is a six-pack

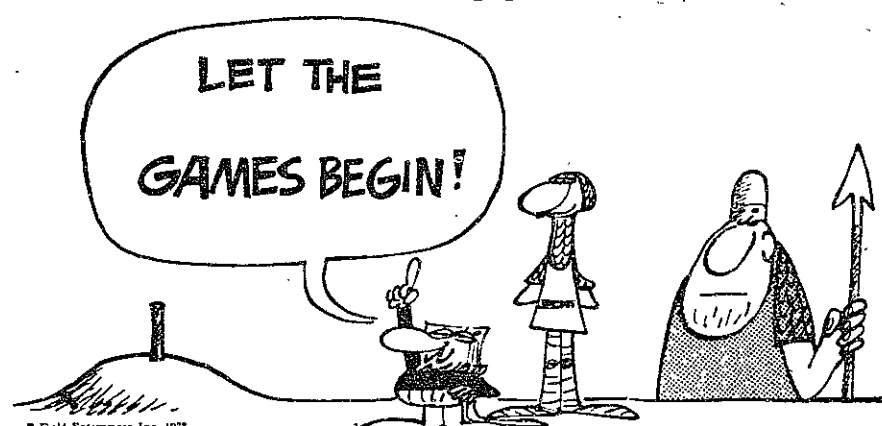
THE Concert

Coming tomorrow night to Rockwell Cage is an event that its organizers hope will outdo last year's Sha-Na-Na concert. Billing it as the biggest party the Institute has ever seen, the MIT Spring Concert Committee is sponsoring a dance/party/beer blast/rock concert featuring Aerosmith, the most promising group to come out of Boston since J. Geils.

Once again MIT students are invited to bring their friends, their blankets, and sit on the floor in the Cage to enjoy the culmination of this year's Kaleidoscope weekend. There will be plenty of beer on hand (last year's event didn't come close to consuming the amount of beer that was available), and good music to listen and dance to — the only ingredient left to make this a super-success is a sellout crowd.

Aerosmith is a fast-rising new group that has recently managed to come into prominence on the national music scene. They currently have two hit albums out, both of which have been very high on the national charts, and rumor has it that they will be coming out with a third just before their grand opening on the Cape this summer. Their hit singles include "Dream On" and "Make It." They will be backed up on Saturday night by Fever, another local product with a very fine lead guitarist, specialists in music of the Rolling Stones and the Allman Brothers.

Tickets for the concert are \$2.50, as they were last year, and are being distributed in two ways. They are available through TCA, on the fourth floor of the Student Center, and from anyone who has entered the prize-filled ticket selling contest. Entering the contest is easy enough; batches of 25 tickets each can be obtained from the Undergraduate Association secretary in Room 403 of the Student Center. Prizes will be awarded to the individual selling the most tickets (a \$500 stereo system), the living group selling the most tickets (a band and five kegs of beer for a party of their own), and the living group with the best percentage sales (five kegs of beer). In addition, the individual winner will be asked to be the emcee for Saturday's party. Tickets will also be sold at Kaleidoscope on Friday and Saturday (subject to availability), but everyone is still encouraged to enter the contest, as there is still ample opportunity to win.



RADICAL CINEMA

6:45 Friday April 19

Que Hacer

Stud Ctr Rm 407 \$1

Africa

Discover Africa with Cycletrek '74, a six or twelve week expedition of 15 motorcycles trek'n across the Sahara Desert, thru the Congo to East Africa. You will get dirty, tired, wet, and experience a culture shock that will give you a new appreciation for life. Send \$1.00 for complete brochure to

Afrotrek Ltd. 24 Center Street Manchester, N.Y. 14504 U.S.A.

COME SEE

George Bernard Shaw's famous comedy

PYGMALION

Directed by JOSEPH EVERINGHAM
at 8:30 P.M.

April 25, 26, 27, and May 3, 4
Little Theatre, Kresge Auditorium, MIT
All Seats \$2.50, Reservations 253-4720
THE MIT DRAMASHOP

Fac meeting considers reports

(Continued from page 1)

amplifying remarks that Dean Harold Hanham of Humanities and Social Sciences had offered with the requirement.

An amendment by Professor of Literature Wayne O'Neil proposing a change in the composition of the administering committee for the requirement was rejected after some debate. O'Neil's amendment would have increased the committee's size from 14 members to 21, by including representatives from each of the 15 Fields that are established under the requirement. O'Neil's proposal also would have the members of the committee choosing their chairman, rather than having the Dean of the School of Humanities act as chairman, as proposed by the School.

The faculty rejected O'Neil's

amendment 18 to 57, and then accepted the proposal as it stood by an almost unanimous vote. The matter of the humanities requirement was still not settled, however, as a motion to require the administering committee to report the faculty with "extensive, 100 to 200 word rationales" for its decisions on Distribution subjects was offered by Institute Professor of Biology Salvador Luria. Luria stated that his motion, which will be considered by the faculty in May, "will ensure that faculty and staff members know why particular subjects are 'humanistic' in nature, as specified in the requirement."

Grant Assessment

The report of the Ad Hoc Study Committee, appointed

last October by President Jerome Wiesner to study the feasibility of a permanent committee to assess research grants and contracts at MIT, reported to the faculty with a plan — but no recommendation. The committee, according to Professor of Chemistry John Deutch, "split right down the middle" on the issue of whether or not the Institute should try to monitor research activities with attention to social and environmental impact and so did not make any recommendations to the faculty.

NOTES

* Kiyoko Takeuti, a young Japanese pianist who has received favorable notice from critics and audiences here and abroad, will give her second solo concert at the Massachusetts Institute of Technology, 8pm, Tuesday, April 23, in the Music Library in Hayden Library. Ms. Takeuti will perform the Bach Partita in D Major, Beethoven's Sonata in A-flat Major Opus 110 and Schumann's Kreisleriana Opus 16.

* Dennis Banks, national director of the American Indian Movement, will speak at Wellesley College Saturday, April 20, at 4:15pm in Houghton Memorial Chapel on campus. The lecture is sponsored by MEZCLA, an organization for American Indian, Puerto Rican, and Chicano students, and Forum, a student organization which arranges speakers at Wellesley College. The lecture is part of American Indian Day at Wellesley. The public is invited to attend without charge.

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JV heavies beat Brown and BU

(Continued from page 16)

three crews had to sit in the cold 40° air.

When the boats were started, MIT and Brown had drifted together, and their oars clashed. This slowed both boats. Ten strokes later, the Bears number seven man caught a crab and lost complete control of his oar. This should have stopped the race, but it didn't.

Just after the Brown crab, the BU four man had his seat come off the tracks. He waved it over his head but the referee did not stop the race. Either the crab by Brown or the loss of the seat by BU should have been enough to stop the race. The referee, in his first assignment, did not see either event and allowed the race to continue.

At 1000 meters, the Harvard crew that started in lane 4 had a length ahead. At this point, the Engineers started to move. They picked up half a length when the coxswain had to move away from the Harvard shell. Harvard, having started in lane 4 had moved over into lane 1. This normally is cause for disqualification of the guilty crew, but the referee ruled against MIT.

Freshman coach Fraser M. Walsh told his squad not to give up their shirts. As he said, "We won the race. Harvard should be disqualified, and we beat everyone else." Needless to say, there was a great deal of displeasure in

the Crimson eight as they had to row up the river without the shirts of MIT.

The Junior Varsity race was the bright spot of the day as the Engineers easily handled Brown and BU. The Tech eight came off the line with a cadence of 44 beats per minute and then settled to 37 for twenty strokes. Another settle, this time to 34, found the MIT jayvees 3/4 of a length ahead. Each time Brown tried to challenge, the JV eight

handled them easily and held that lead to the end. The times for the junior varsity race were: MIT, 6:24, Brown, 6:26; BU, 6:36.

The third varsity rowed in two fours against Brown, BU, and the MIT third varsity lightweight. The Tech heavies came out on the short end as they finished third to BU and the lights, respectively, in the first race and second between Brown and BU in the other.

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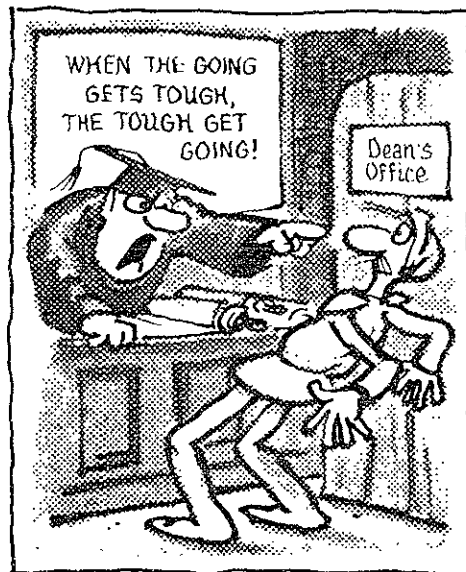
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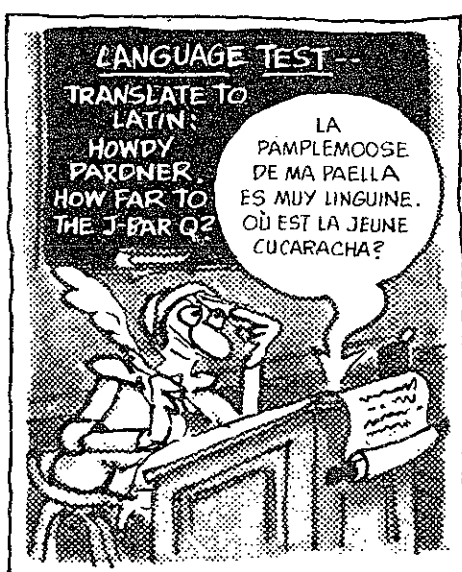
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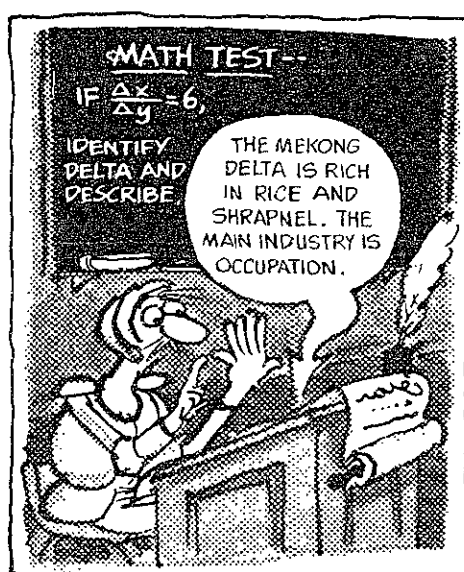
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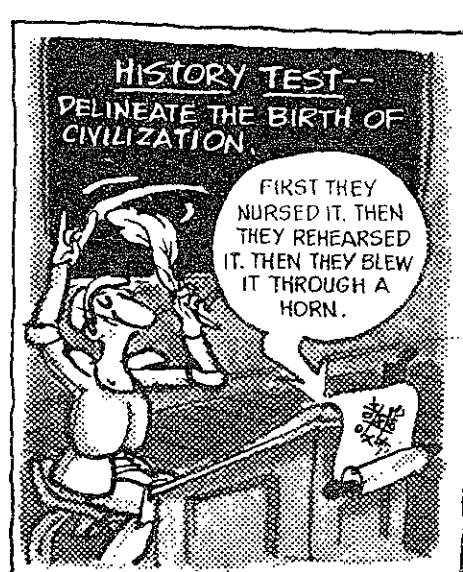
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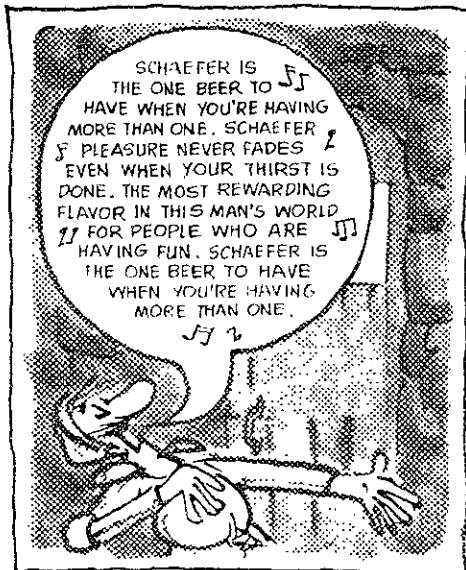
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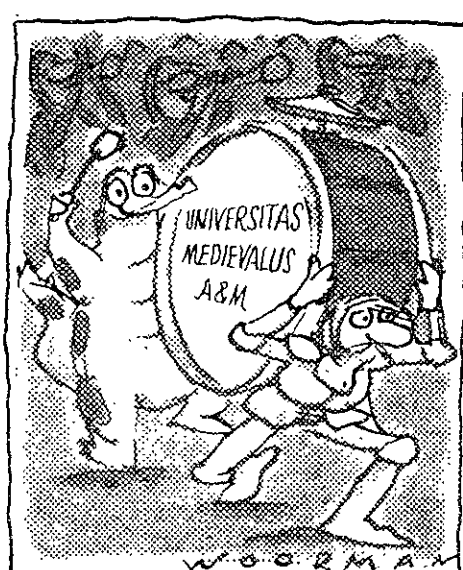
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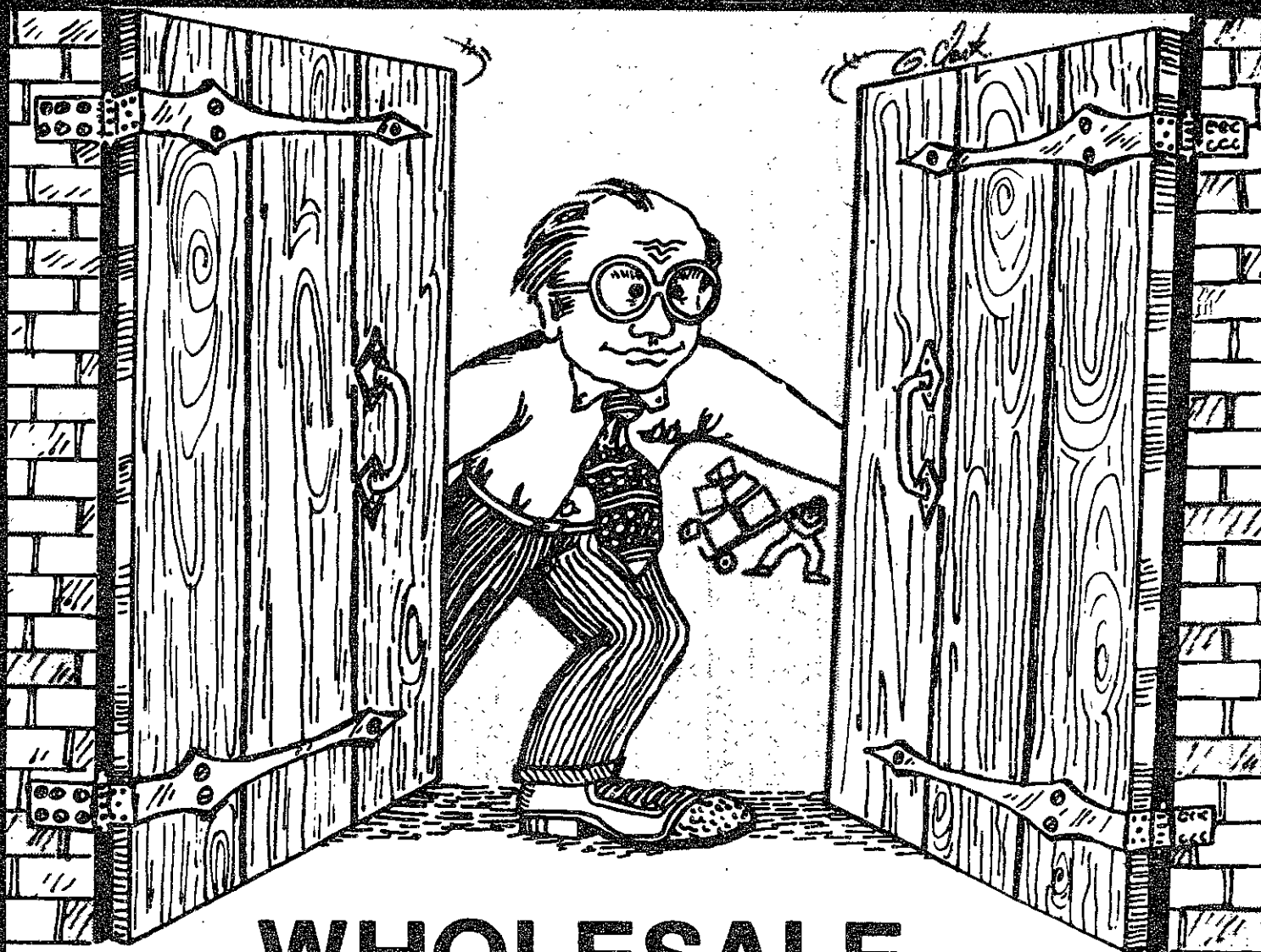


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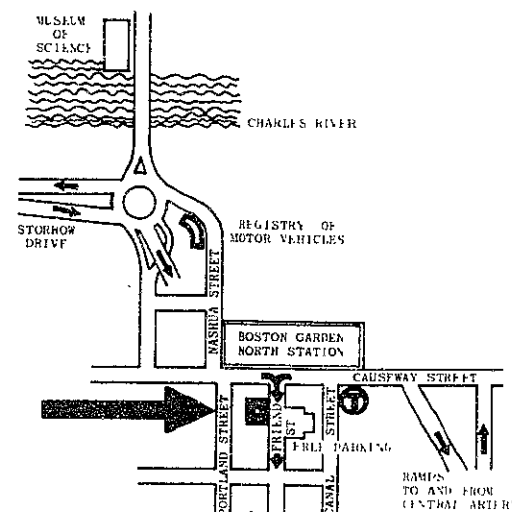
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Sports

Bowdoin & Amherst top lacrosse team

By Glenn Brownstein

MIT's varsity lacrosse team dropped two contests last week, but has begun to show signs of improvement. The Engineers, now 0-4, lost 4-1 and 9-4 to Amherst and Bowdoin respectively, but played solid first halves in both games.

A lack of manpower (one substitute) may have caused the first defeat, while a five-goal loss to Bowdoin could be termed as respectable. The Bears are ninth-ranked in New England and a possible contender for the college division sectional championship.

The low score of the Amherst game (on the average, 15-20 goals are scored in a match) was due primarily to the weather, as the game was played in a steady downpour, and both teams' ability to put together consistent passing attacks.

The Engineers held Amherst to a 1-0 halftime lead on the strength of goalie Jeff Singer '77 and on some excellent checking by the MIT defense of co-captain Rick Bye '75, John Boylan '75, and Gerry Tourgee '76.

Unfortunately, Amherst added two goals in the third quarter and one in the fourth for the win. MIT's only score came early in the fourth period when co-captain George Braun '75 fed Roger Renshaw '77 in front of the crease. Renshaw fired the ball past Amherst goalie Dan Brothers, who had only three other shots on goal to stop in the game.

In the Bowdoin game, MIT displayed a viable passing attack for the first time this season, resulting in four goals and thir-

teen shots, both season highs.

The contest, close at the half (3-1 Bowdoin), was broken open by four Bear scores in the third period. Although the Engineers rallied to score three times in the final twenty minutes, Bowdoin held on to its edge for the win. All in all, it was a relatively impressive performance by MIT, clearing the ball out of its defensive zone 63% of the time and holding Bowdoin to only 32 shots on goal.

Braun scored three goals and assisted Jim Cook '75 on the other. Braun now has nine points (six goals, three assists) and is MIT's leading scorer. Goalie Singer has 89 saves in four games, and is one of the leaders in that department in the nation.

The Engineers' starting mid-field of Renshaw, Cook, and Evan Schwartz '75 has scored five goals so far this year, and has played two strong games after the Boston College disaster.

MIT will battle Holy Cross at Worcester Saturday afternoon before returning home for a game against Tufts Monday afternoon to make up the snowed-out April 10 contest. Game time is 4:00.

The third annual MIT-Harvard Water Polo Tournament will be held this weekend. Games will be played continuously from 11:00am to 5:00pm Saturday at Alumni Pool, and the final game will be played at 11:30am on Sunday at Harvard. Teams competing will be NYAC, Brown, Cornell, Northeastern, and MIT-Harvard.

Men sailors place second in Geiger and Oberg

Although competing without the services of All-American team captain Steve Cucchiaro '74, MIT's varsity men's sailing squad placed second in each of their trophy regattas last weekend, the Geiger and the Oberg.

The Geiger Trophy Regatta, sailed in one division each of Tech dinghies, Larks, Finns and CCT keel sloops, was held at MIT on Sunday in winds that varied from light to quite brisk. The competition was extremely tight throughout the event, with Coast Guard opening a slight three-point lead in the last round of races.

Chuck Tucker '75, with Chuck Johnson '76 crewing, sailed for the Engineers in the dinghies, Paul Erb '76 skippered the Larks with Dave Jessich '75 as crew, Kevin Sullivan '74 represented MIT in the Finn division, and Randy Young '74, with crew George Todd '76 and Bill Rizzi '76, manned with CCTs. Tucker and Johnson took low-point honors in the Tech fleet, while Sullivan and Young, Todd, and Rizzi were second and tied for second, respectively, in the Finns and CCTs. Erb and Jessich placed third in a strong Lark field.

The results of the regatta were: Coast Guard 53, MIT 56, Tufts, 60, Brown 64, and Harvard 67.

The Oberg Trophy Regatta, billed as the Greater Boston Championships, was scheduled to be sailed at Community Boating on the Charles, but was relocated to MIT when extremely strong winds proved too much for Community's fleet of unique Mercury sloops. Harvard put on a strong showing to place first, followed by MIT and Tufts. Erb and Jessich tied for first in A-Division, while Tucker sailed in B with Larry Dubois '76 crewing. Young skippered in C, with crew Rizzi.

The final results of the event were: Harvard 28, MIT 40, Tufts 41, Boston University 57, and Northeastern 58.

In an invitational at MIT on Saturday a contingent from the Tech squad placed fifth of eight schools against some of the top skippers from the other teams. The event was sailed in two divisions of dinghies and one division of Larks. Young and Rizzi sailed in the A-Division dinghies, Dubois and crew Jon Littman '76 sailed in B, and Todd skippered the Larks, with Jessich crewing.

The final results were: Tufts 60, U. of Rhode Island 70½, Harvard 70½, Boston University 83, MIT 108, Boston College 109, Coast Guard 120, and Bowdoin 146.

The U.A. Elections Article in Thursday yesterday was the opinion of one person, not the opinion of the paper. The author is not a candidate for any office but used a pseudonym in order to remain anonymous.

Ed. Emerson

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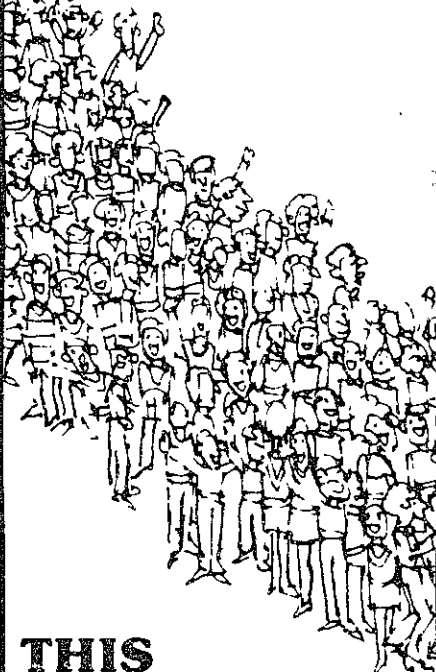
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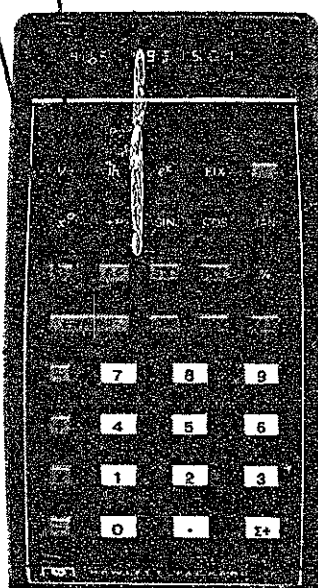
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Sports

Lightweights destroy Yale

By Mark Suchon

Last Saturday the Tech lightweights raced against Yale on a calm Charles River, winning each time out in a morning of variety and excitement. Margins of victory ranged from 3 to 23 seconds, while MIT rowing was at times excellent, resulting in a walkaway race, and at times poor, as a bad start nearly caused a disastrous race for MIT.

The first races featured the freshman second and first boats coached by John Malarkey '71. The 2nd frosh, although over-stroked at the start (four per minute), gradually pulled away from the Bulldogs to win in 6:59 over Yale's 7:06.8.

Weeks before their race, the first frosh were concerned about the Yale coach's statement that his number one crew was "the best ever in Yale history." They almost prodded it to MIT, as they took the lead at the start of the race. MIT was behind by six seats at the halfway mark, but by 1500 meters had evened the race. The spectators at the boat-house were tense as they watched the two crews battle it out, but MIT pulled away at a stroke of 34 to win in 6:37.0 to Yale's 6:40.9.

Once they improve over the first 1000 meters, the 1st frosh (bow-Art Bieser; 2-Tim Morrison; 3-John Jaynes; 4-Skip Ling; 4-Joe Strain; 6-Fred Faller; 7-Bob Granetz; stroke-Biff Brisbin; cox-Stu Kreloff) will be good competition for any freshman crew around.

There's not much one can say about the JV race. MIT's JV was simply a better crew. They were ahead at the start, had open water at only 500 meters, and kept opening it up to finish four lengths ahead of Yale, 6:43.0 to 7:05.9. Coach Bill Miller is impressed with the rowing ability of this JV boat and describes them as "a good rowing crew."

The varsity race was a different story. There was a little trouble "getting it together" at the start on MIT's port side, which put the boat behind Yale. Nonetheless, MIT recovered quickly and slowly advanced, rowing what Miller called "a conservative race." Although rowing at a 34, slightly under Yale, the Engineers still had the potential to win by a greater

margin. Their winning time of 6:26.2 was 6.3 seconds faster than Yale's.

Miller describes his first boat as a "strong, gutsy crew" (all seat-race winners are in it) who need to work on rowing ability and technique. His philosophy has apparently been to put the strongest oarsmen together, and then try to teach them to row well together. He admits "This is my first year coaching — I'm

learning along with them."

Tomorrow, the lightweights row at home again, this time against Harvard and Dartmouth. Harvard has always been the toughest competitor to beat in all events, second frosh through first varsity. However, MIT's lightweights this year have their best chance in years to defeat Harvard. (A recent coaches poll ranks MIT in the top three along with Harvard and Princeton.)

Track team loses to Bates

By Dave Dobos

Bates College overpowered Tech's track team, 95-55, here last Saturday, handing MIT its second straight loss.

The thinclads showed much improvement from last week by winning seven of the 18 events under conditions identical to the cold and rain of the opening meet. Bates' victory was reminiscent of its 71-42 win indoors over MIT in December.

For the second time, co-captain Gary Wilkes '75 led the team with 9 points (1st-220, 2nd-100, 3rd-shot put). Jeff Baerman '76, showing an exceptional kick, held off Bates' top miler to win the event in 4:29.2

and added a third in the 880 for 6 points. Greg Hunter '76 also picked up 6 points with seconds in the javelin and shot put.

Freshman Frank Richardson, appearing in his first 2-mile race for MIT, easily outran his competition to tally 5 points. Co-captain John Pearson '74 (hammer throw), Rich Okine '77 (440 Intermediate Hurdles), Don Wesson '76 (120 High Hurdles), and John Williams '77 (pole vault) all took firsts for MIT.

The meet with Tufts, scheduled for Wednesday, was cancelled. Tomorrow, the men of Head Coach Gordon Kelly (field competitors, sprinters, hurdlers) and Coach Pete Close (distance



MIT's track co-captain, John Pearson '74, has been unbeatable in his specialty, the hammer throw, winning the event against New Hampshire and Bates.

Photo courtesy MIT Athletic Department

Columbia swept by men's heavy crews

By Dustin Ordway and David I. Katz

MIT's top varsity and freshman heavyweight crews remained undefeated last Saturday as a trip to New York City netted both boats a win over Columbia University.

The varsity had a fairly easy race, winning by just over two lengths in a time of about six and a half minutes. A fifteen second gap separated the freshman shells as MIT's clocking of 7:17.9 outdistanced the sleeker Columbia crew.

While the season records now

stand at two for two it would be presumptuous to expect the entire season to continue smoothly along the same plane. The MIT heavyweights' schedule is one of the toughest in the league including as it does in the next three weeks Northeastern, Harvard, and Wisconsin, in that order.

While Wisconsin won the IRA championships last June on all three (varsity, JV and freshman) levels and hence can be expected to have great depth, Harvard is rated by some to be in a position to beat them.

Northeastern is no also-ran either. Having won the Eastern Sprint Championship for the past two years they can be expected to be extremely strong despite the loss of a majority of last year's varsity.

This Saturday's dual meet against Northeastern is thus highly important to the MIT heavyweight oarsmen. It will give them their first real battle, the first major indicator of their potential. And for those members of the varsity who lost to NU two years ago by a fluke, tomorrow's race will be the last chance to have it out alone with them on the Charles.

While the varsity and the first freshman eights went to Columbia this past weekend, the JV, third varsity, and second frosh raced on the Charles against boats from Boston University, Harvard, and Brown as Columbia had no comparable crews.

The second freshman race was a good example of what can go wrong in a crew race. All shells are usually held on the starting line by stake boats. The stake boats are anchored in the river just behind the starting line.

If there is a major mishap in the first 30 seconds of a race, it is stopped and restarted. These mishaps can include equipment failure and "catching a crab." (This term implies that on the recovery of the stroke, the blade of the oar catches the water and goes back towards the stern of the boat. The most extreme case of a crab will throw the oarsman from the boat.)

At the start of the second freshman race, MIT and Harvard were floating free while Brown and BU were held on the line by stake boats. While Harvard tried to get lined up twice, the other

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men) take on Bowdoin in Maine.

SUMMARY OF EVENTS:

Hammer Throw: 1-Pearson (MIT); 2-Cedrone (Bates); 3-Lundberg (MIT); 156'3".
Discus: 1-Cedrone (Bates); 2-Grasso (MIT); 3-Anders (Bates); 133'5".
Shot Put: 1-Cedrone (Bates); 2-Hunter (MIT); 3-Wilkes (MIT); 48'4 1/2".
Javelin: 1-Sullivan (Bates); 2-Hunter (MIT); 3-Schulsser (Bates); 163'1".
Long Jump: 1-Bruce (Bates); 2-Lungelow (Bates); 3-Kuzmenko (MIT); 20'4 1/2".
Triple Jump: 1-Hwa (Bates); 2-Grillo (Bates); 3-Kuzmenko (MIT); 41'8 3/4".
Pole Vault: 1-Williams (MIT); 11'6". (no others cleared qualifying height)
High Jump: 1-Baker (Bates); 2-Bardaglio (Bates); 3-Gibbons (MIT); 6'0".
High Hurdles: 1-Wesson (MIT); 2-Whittaker (Bates); 3-Lungelow (Bates); 16'2".
Intermediate Hurdles: 1-Okine (MIT); 2-Hwa (Bates); 3-Whittaker (Bates); 58.3.
100: 1-Goldman (Bates); 2-Wilkes (MIT); 3-Jenkins (Bates); 10.55.
220: 1-Wilkes (MIT); 2-Goldman (Bates); 3-Jenkins (Bates); 23.4.
440: 1-Wicks (Bates); 2-Egan (Bates); 3-Chiesa (MIT); 52.0.
880: 1-Richardson (Bates); 2-Taylor (Bates); 3-Baerman (MIT); 2:00.6.
Mile: 1-Baerman (MIT); 2-Bierman (Bates); 3-Graf (Bates); 4:29.2.
2-Mile: 1-Richardson (MIT); 2-Merrill (Bates); 3-Carlson (MIT); 9:42.0.
440 Relay: 1-Bates; 44.9.
Mile Relay: 1-Bates; 3:32.9.

MIT women outrace IM soccer: midseason results WPI crew in Charles

The MIT women's eight scored its first win of the season last Saturday, smashing the Worcester Polytechnic Institute crew by 24 seconds over a 1000 meter course. The winning boat was clocked at 3:47. Rowing for MIT were Roseanna Means '76 (bow), Janey Huber '74, Renan Beckman '77, Katrina Wootton '77, Susan Ashworth '75, Julia Malakie '77, Chris Tracey '76, Ingrid Klass '76 (stroke), and Chris Santos '74 (cox).

A major shift was made in preparation for this race; while the stroke normally rows on the port side, the shell was rigged for a starboard stroke. In addition, Christine Plapp '75 who rowed in the number six position last week, was confined to the infirmary. In spite of the latter setback, the boat performed admirably.

The eight raced for the first time in the boat which they will be using for the rest of the season, a Pocock Cedar Speedster recently acquired from the varsity lightweights. WPI's boat was hindered near the halfway mark by a jamming of the stroke's seat, but the crew managed to quickly overcome the problem.

The MIT women's four also crushed its competition, rowing 1000 meters in 4:24, nine seconds ahead of WPI. In the MIT shell were Dallas Abbott '74 (bow), Renan Beckman '77, Beverly Herbert '75, Diane McKnight '75 (stroke), and Debbie Darago '77 (cox).

This Saturday the women's crew will take on eights, fours, and pairs from Williams College and Phillips Academy on the Charles.

With 47 teams from across the MIT community competing and with an interesting innovation added by manager Tom Stagliano, this year's IM soccer season appears to be progressing quite successfully.

Stagliano's plan calls for awarding a certificate to the leading goaltender and the leading goal scorer in both A-league and in B-league competition for the season. At the halfway point, the leading goalies are:

A-League	Games	Goals	Average
Senior House	3	0	0.0
Hellenic	2	1	0.5
B-League			
LCA/DU	3	0	0.0
Math 2	0	0	0.0
Metallurgy	3	1	0.3

Scoring statistics are at this time unavailable.

Competition for the A-league crown is extremely tough; while Senior House is currently in front by two points, a number

of teams are within easy striking distance. The standings at midseason:

A-League	W	L	T	Pts.
Senior House	3	0	0	6
Hellenic	2	0	0	4
Club Latino	1	1	1	3
Z	0	0	3	3
Baker 'A'	1	2	0	2
Africans	1	0	0	2
Sloan	0	1	1	1
TDC	0	0	1	1
E.C. 'A'	0	2	1	1
B1-League	W	L	T	Pts.
LCA/DU	2	0	1	5
PDT	2	1	0	4
Metallurgy	2	1	0	4
Nuc. Eng.	1	1	1	3
Bexley	1	2	0	2
B5 Smokers	0	3	0	0
B2-League	W	L	T	Pts.
Math	2	0	0	4
DTD	1	1	0	2
FIJI	0	0	0	0
Baker 'B'	0	1	0	0
PBE	0	1	0	0
B3-League	W	L	T	Pts.
AEPi	0	0	1	1

PLP	0	0	1	1
SPE	0	0	1	1
Economics	0	0	1	1
Sigma Chi	0	0	0	0
C1-League	W	L	T	Pts.
MacG. 'E'	2	0	1	5
Con. 3/Rus.	1	0	2	4
Conner 4	1	1	1	3
MacG. 'H'	1	2	0	2
Stud. House	0	2	1	1
C2-League	W	L	T	Pts.
Chi Phi	1	0	1	3
ATO	1	0	0	2
PSK	0	0	1	1
DKE	0	1	1	1
KS	0	1	1	1
C3-League	W	L	T	Pts.
Delta Psi	2	0	0	4
Theta Xi	1	0	0	2
E.C. 'C'	1	1	0	2
ZBT	0	1	0	0
Hillel	0	2	0	0
C4-League	W	L	T	Pts.
MacG. 'F'	2	0	1	5
MacG. 'D'	1	0	1	3
MacG. 'A'	1	1	1	3
Burton 3	0	1	1	1
NRSA	0	2	0	0